

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

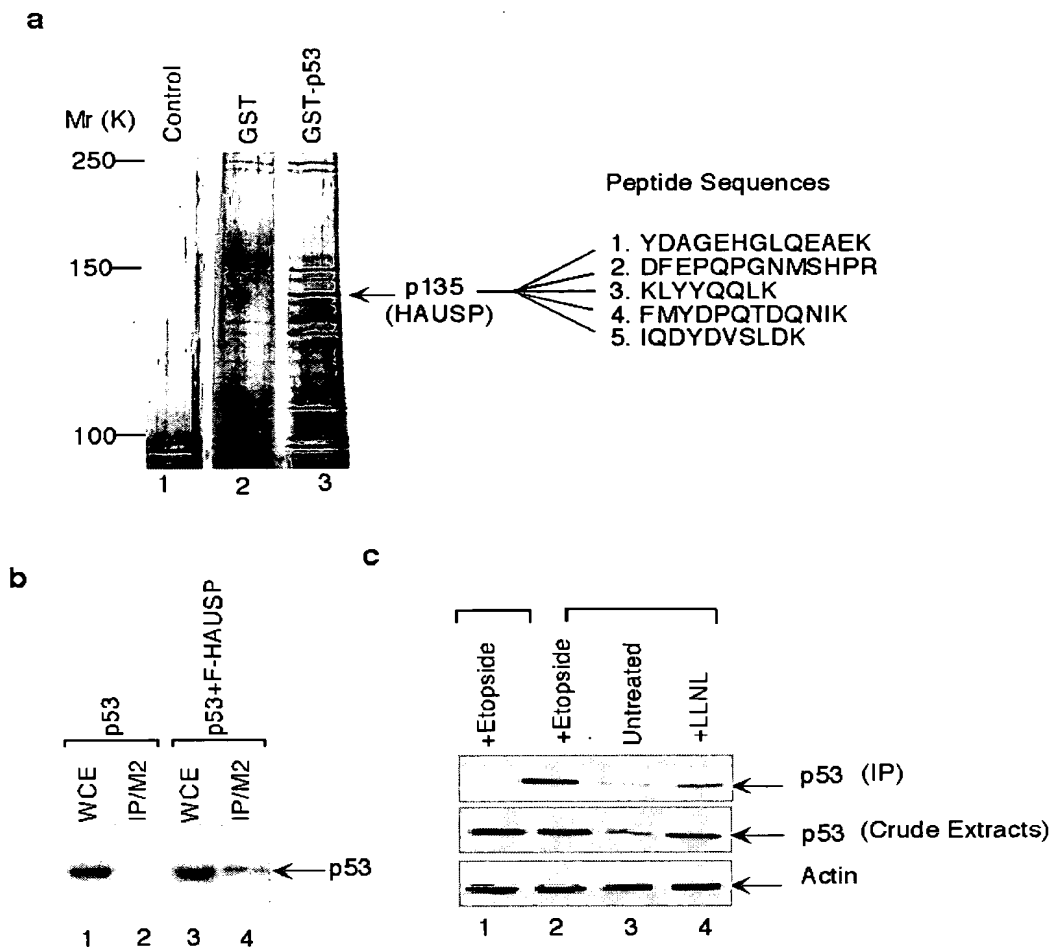


FIG. 1/17

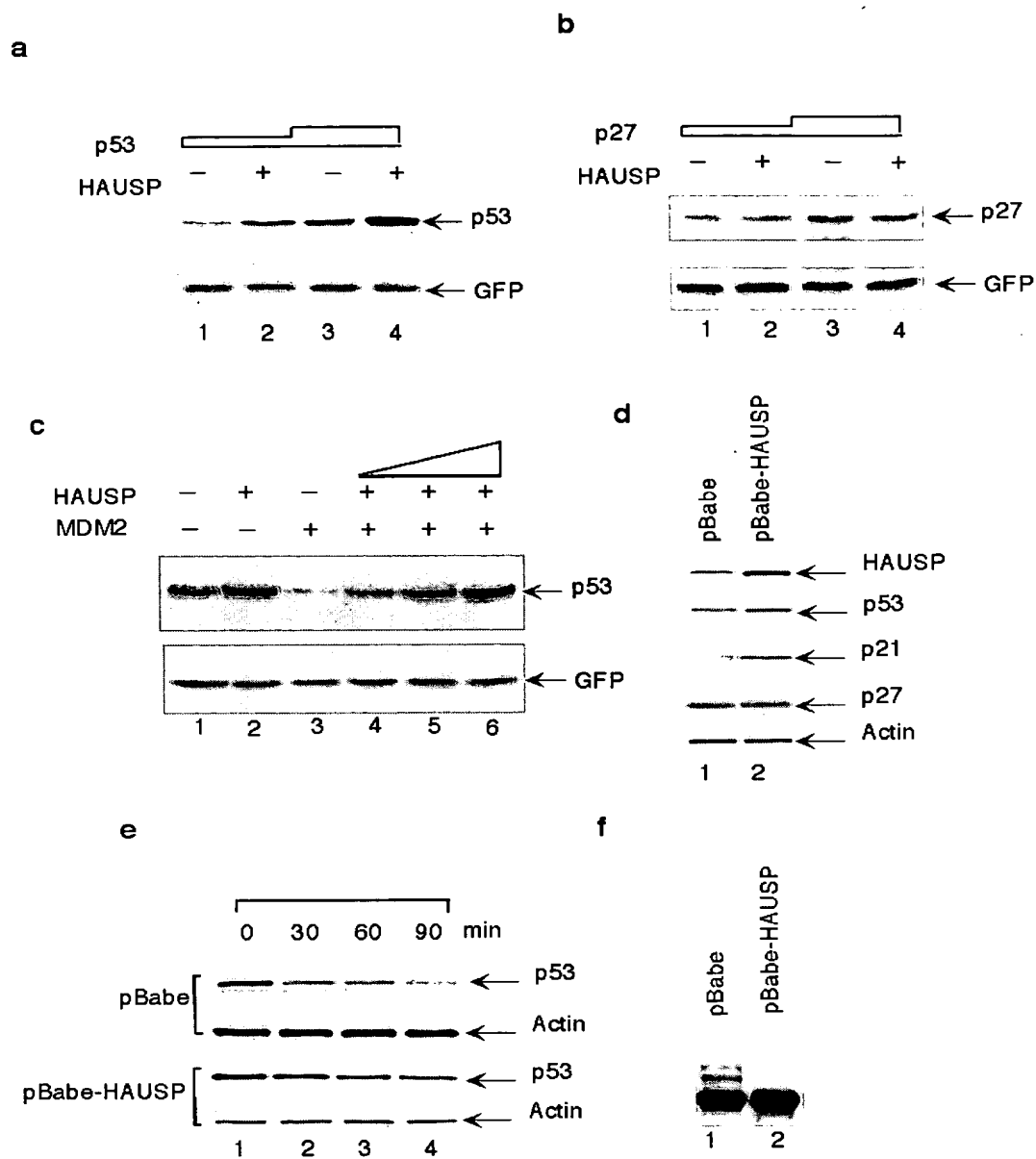
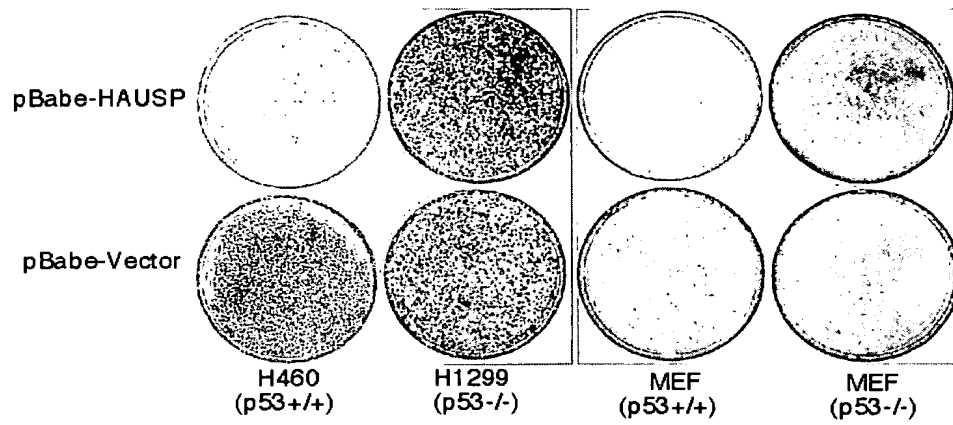


FIG. 2/17

a



b

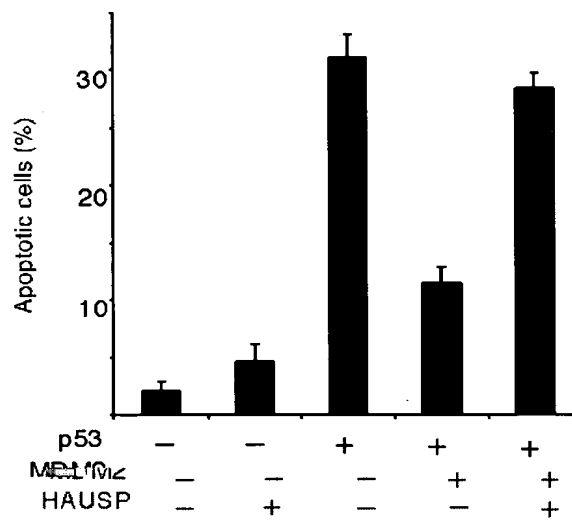


FIG. 3/17

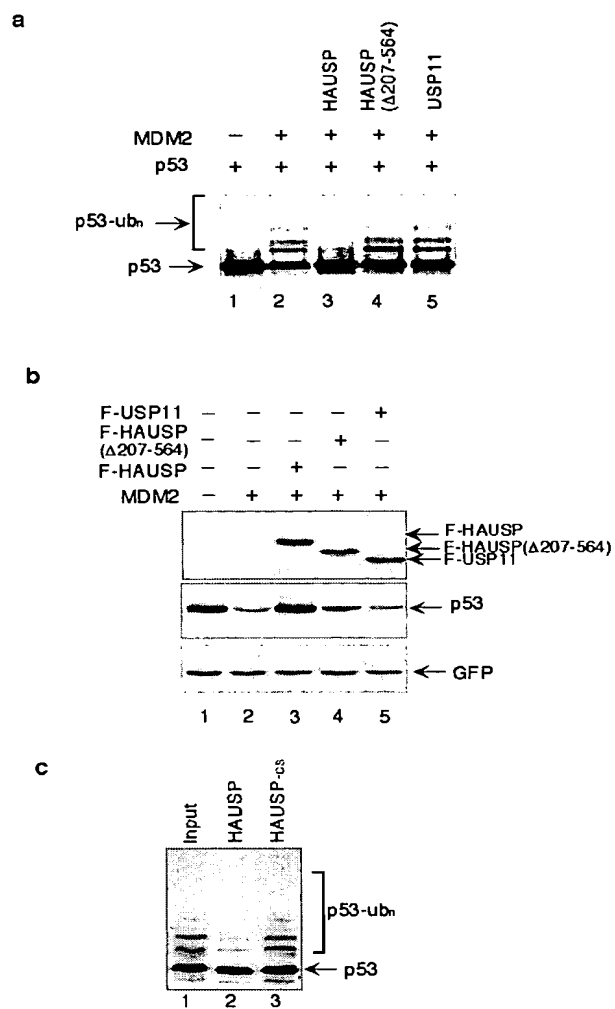


FIG. 4/17

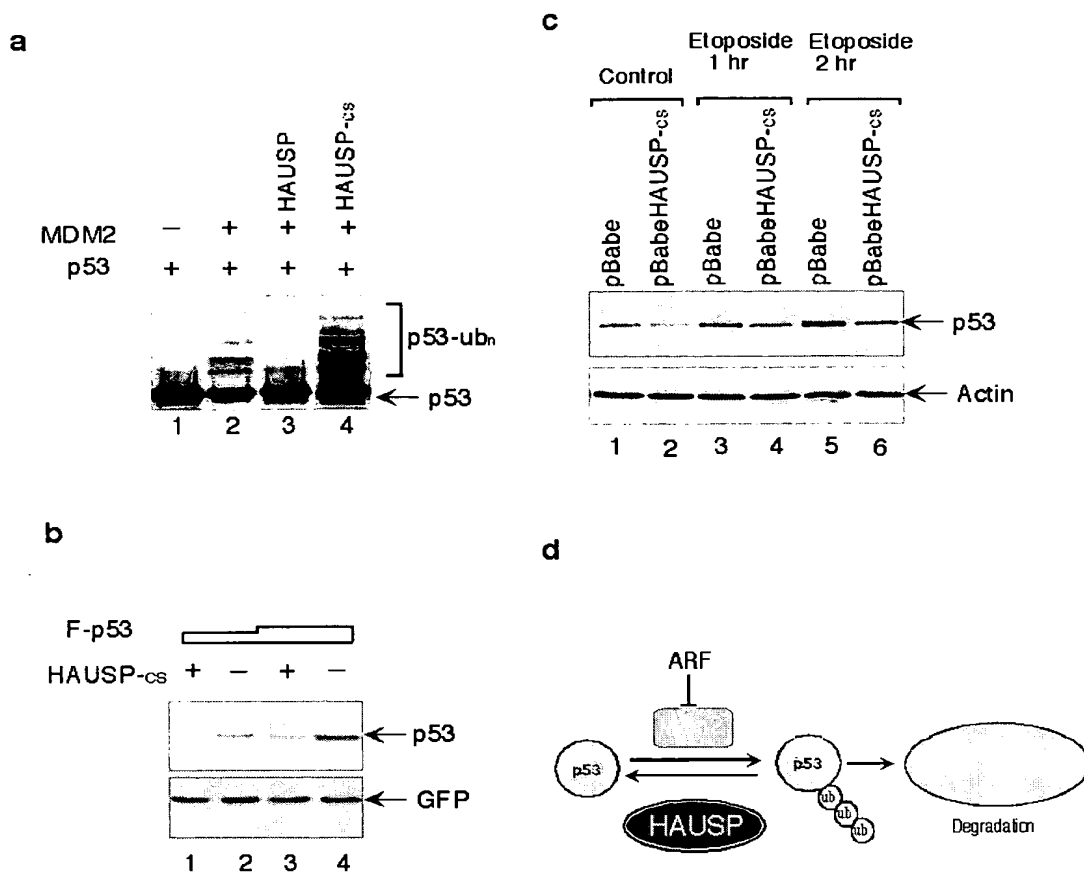


FIG. 5/17

1 mnhqqqqqqq kageqqsep edmemeagdt ddppritqnp vingnvalsd ghntaeedme
61 ddtswrseat fqftverfsr lsesvlsppc fvrnlpwkim vmprfypdrp hqksvfflq
121 cnaesdstsw schaqavlki inyrdeksf srrishlffh kendwgfsnf mawsevtde
181 kgfiddkvt fevfvdap hgvdwskkh tgyvglknqg atcymnsllq tlfftnqlrk
241 avymmptegd dssksvplal qrvfyelqhs dkpvgtkklt ksfqwetlds fmqhadvqelc
301 rvlldnvenk mkgctvegti pklfrgkmvs yiqckevdyr sdrredyydi qlsikgkkn
361 fesfvdyvav eqlgdgndkyd agehglqae kgvkfltlpp vlhlqlmrfm ydpqtdqnik
421 indrfefpeq lpldeflqkt dpkdpanyil havlvhsgdn hgghyvvyln pkgdgkwckf
481 dddvvsrctk eeaiehnnygg hdddlsvrhc tnaymlvyir esklsevlqa vtdhdipqql
541 verlqeecri eaqrkerqe ahlymqvqiv aedqfcghqg ndmydeekvk ytvfvlkns
601 slaefvqsls qtmgfpqdqi rlwpmqarsn gtrpamlnd eadgnktmie lsdnenpwti
661 fletvpela asgatpkfd kdhdvmlflk mydpktrsln ycghiytpis ckirdllpvm
721 cdragfiqdt slilyeevvp nlteriodyd vsldkaldel mdgdiivfqk ddpndnsel
781 ptakeyfrdl yhrvdvifed ktipndpgfv vtlnrmnyf qvaktvaql ntdpmlqff
841 ksqgyrdpg nplrhyegt lrdllqffkp rqpkklyyqq lkmkitdfen rrsfkciwln
901 sqfreeitl ypdkhgcvrdd leeckkave lgekasgklr lleivsykii gvhqedelle
961 clspatsrtf rieeipldqv didkenemlv tvahfhkevf gtfqipflr ihqgehrev
1021 mkriqslldi qekfekfkf aivmtgrhgy inedeyevnl kdfepqpqgm shprpwlgl
1081 hfnkapkrsr ytlekaiki hn

FIG. 6/17

1 gtacgtgcgc gtctccctgc cgccgccgcc gcccgccgcg ggccgccccg gggccgccgt
 61 cgccgacgac gcgcgggagg aggaggagga ggccgccccg ccgccgccgc cgccgccgcc
 121 gccccggctc gccgccgccc gcccgccggg ctgcagccc cgccccccgg ccgcaggcga
 181 ggcccaggcc gcggccgaca tgaaccacca gcagcagcag cagcagcaga aagcgggcga
 241 gcagcagttg agcgagcccc aggacatgga gatggaagcg ggagatacag atgaccacc
 301 aagaattact cagaaccctg tgatcaatgg gaatgtggcc ctgagtgatg gacacaacac
 361 cgcggaggag gacatggagg atgacaccag ttggcgctcc gaggcaacct ttcagttcac
 421 tgtggagcgc ttcagcagac tgagtgagtc ggtccttagc cctccgtgtt ttgtgcgaaa
 481 tctgccatgg aagattatgg tgatgccacg cttttatcca gacagaccac accaaaaaag
 541 cgtaggattc ttctccagt gcaatgctga atctgattcc acgtcatggt cttgccatgc
 601 acaagcagtg ctgaagataa taaattacag agatgatgaa aagtcgttca gtcgtcgtat
 661 tagtcatttg ttctccata aagaaaatga ttggggattt tccaatttta tggcctggag
 721 tgaagtgacc gatcctgaga aaggatttat agatgatgac aaagttacct ttgaagtctt
 781 tgtacaggcg gatgtcccc atggagttgc gtgggattca aagaagcaca caggctacgt
 841 cggcttaag aatcaggag cgacttgta catgaacagc ctgctacaga cgttattttt
 901 cacgaatcag ctacgaaagg ctgtgtacat gatgccaacc gagggggatg attcgtctaa
 961 aagcgtccct ttagcattac aaagagtgtt ctatgaatta cagcatagtg ataaacctgt
 1021 aggaacaaaa aagttaacaa agtcatttgg gtgggaaact ttagatagct tcatgcaaca
 1081 tgatgttcag gagctttgtc gagtgttgc cgataatgtg gaaaataaga tgaaaggcac
 1141 ctgtgtagag ggcaccatac ccaaattatt ccgcggcaaa atggtgtcct atatccagtg
 1201 taaagaagta gactatcggg ctgatagaag agaagattat tatgatatcc agctaagat
 1261 caaaggaaag aaaaatatat ttgaatcatt tgtggattat gtggcagtag aacagctcga
 1321 tggggacaat aaatacgacg ctggggaaca tggcttacag gaagcagaga aaggtgtgaa
 1381 attcctaaca ttgccaccag tgttacatct acaactgatg agatttatgt atgacctca
 1441 gacggacca aatatcaaga tcaatgatag gtttgaattc ccagagcagt taccattga
 1501 tgaatttttg caaaaacag atcctaagga ccctgcaaat tatattcttc atgcagtcct
 1561 ggttcatagt ggagataatc atggtggaca ttatgtggtt tatctaaacc ccaaagggga
 1621 tggcaaatgg tgtaaatgtg atgacgacgt ggtgtcaagg tgtactaaag aggaagcaat
 1681 tgagcacaat tatgggggtc acgatgacga cctgtctgtt cgacactgca ctaatgctta
 1741 catgttagtc tacatcaggg aatcaaaact gagtgaagtt ttacaggcgg tcaccgacca
 1801 tgatattcct cagcagttgg tggagcgatt acaagaagag aaaaggatcg aggctcagaa
 1861 gcggaaggag cggcaggaag cccatctcta tatgcaagtg cagatagtcg cagaggacca
 1921 gttttgtggc caccaaggga atgacatgta cgatgaagaa aaagtgaat acactgtgtt
 1981 caaagtattg aagaactcct cgcttgctga gttgttcag agcctctctc agaccatggg
 2041 atttcacaa gatcaaattc gattgtggcc catgcaagca aggagtaatg gaacaaaacg
 2101 accagcaatg ttagataatg aagccgacgg caataaaaca atgattgagc tcagtataa
 2161 tgaaaacctt tggacaatat tcttggaac agttgatccc gagctggctg ctagtggagc
 2221 gaccttacc aagtttgata aagatcatga tgtaatgta ttttgaaga tgtatgatcc
 2281 caaacgcgg agcttgaatt actgtggga tatctacaca ccaatctct gtaaaatagc

FIG. 7/17

2341 tgacttgctc ccagttatgt gtgacagagc aggatttatt caagatacta gccttatcct
 2401 ctatgaggaa gttaaaccga attaacaga gagaattcag gactatgacg tgtctcttga
 2461 taaagccctt gatgaactaa tggatggtga catcatagta ttcagaagg atgaccctga
 2521 aaatgataac agtgaattac ccaccgcaa ggagtattc cgagatctct accaccgct
 2581 tgatgtcatt ttctgtgata aaacaatccc taatgaccc ggatttggg ttacgttatc
 2641 aaatagaatg aattatttc aggttgcaa gacagttgca cagaggctca acacagatcc
 2701 aatgttgctg cagttttca agtctcaagg ttatagggat ggcccaggta atcctcttag
 2761 acataattat gaaggtactt taagagatct tctacagttc ttcaagccta gacaacctaa
 2821 gaaactttac tatcagcagc ttaagatgaa aatcacagac ttgagaaca ggcgaagttt
 2881 taaatgtata tggttaaaca gccaathtag ggaagaggaa ataactat atccagacaa
 2941 gcatgggtgt gtccgggacc tgttagaaga atgtaaaag gccgtggagc ttggggagaa
 3001 agcatcaggg aaacttaggc tgctagaaat tgaagctac aaaatcattg gtgttcata
 3061 agaagatgaa ctattagaat gtttatctcc tgcaacgagc cggacgttc gaatagagga
 3121 aatcccttg gaccaggtgg acatagacaa agagaatgag atgcttgta cagtggcgca
 3181 ttccacaaa gaggtcttcg gaacgttcgg aatcccgtt ttgctgagga tacaccaggg
 3241 cgagcatttt cgagaagtga tgaagcgaat ccagagcctg ctggacatcc aggagaagga
 3301 gtttgagaag tttaaattg caattgtaat gacgggccga caccagtaca taaatgaaga
 3361 cgagtatgaa gtaaattga aagacttga gccacagccc ggtaatatgt ctcatcctg
 3421 gccttggtta gggctcgacc acttcaaaa agcccaaaag aggagtcgt acacttacct
 3481 tgaaaaggcc attaaaatcc ataactgatt tccaagctgg tgtgtcaag gcgaggacgg
 3541 tgtgtgggtg gcccttaac agcctagaac ttgggtgcac gtgccctcta gccgaagtct
 3601 tcagcaagag gattcgctgc tgggtgtaat ttattttat tgaggctgtt cagtttggct
 3661 tctctgtatc tattgactgc ccttttgag caaatgaag atgttttat aaagcttggg
 3721 tgccaatgag agttatttta tggtaaccac agtgcaaggc aactgtcagc gcaatggggg
 3781 agaagagggt agtggatcgg gggctccctg ctcaaggctct ctgggctgtc cctagtgggc
 3841 acgagtggct cggctgcctt cctggggtcc cgtgcaccag cctgcagct agcaagtctt
 3901 gtgttaggc tctctgacc tatttcttc agttatactt tcaatgacct ttgtgcac
 3961 tgtaaggca aaacagagaa actcacaacc taataaatag cgctctccc ttcaaaaaa
 4021 aa

FIG. 7/17 (cont.)

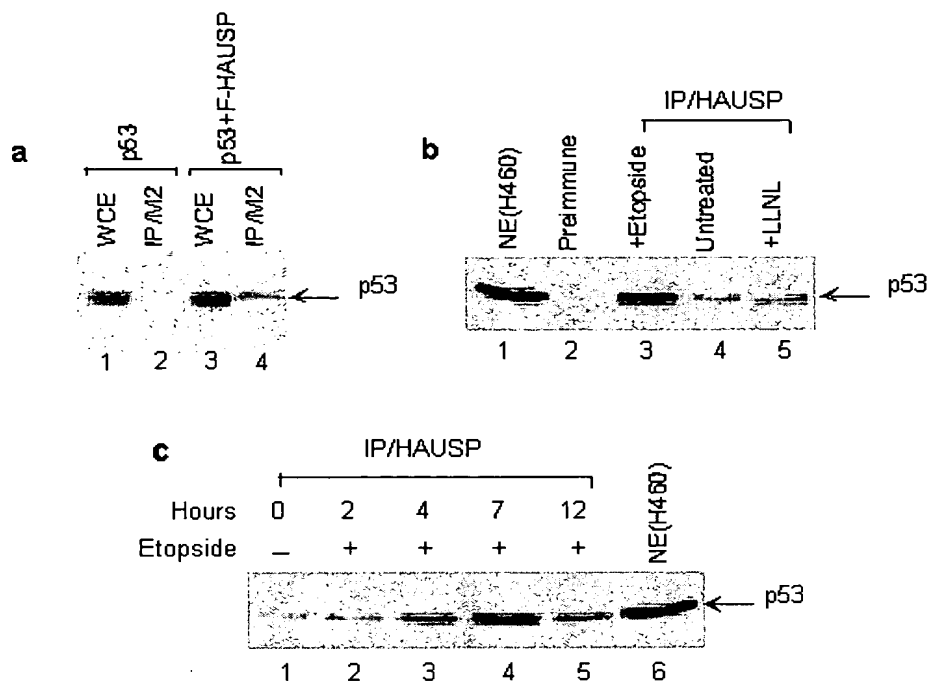


FIG. 8/17

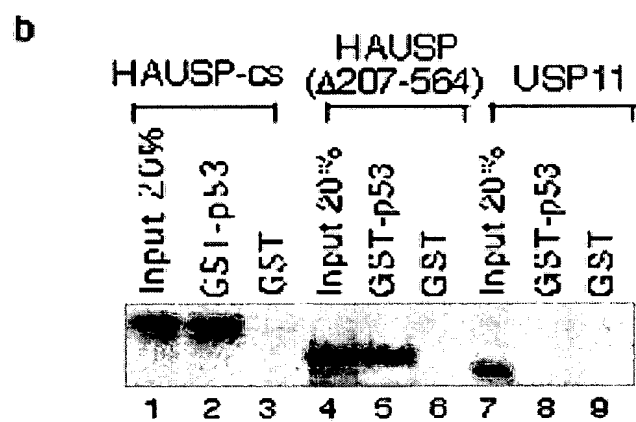
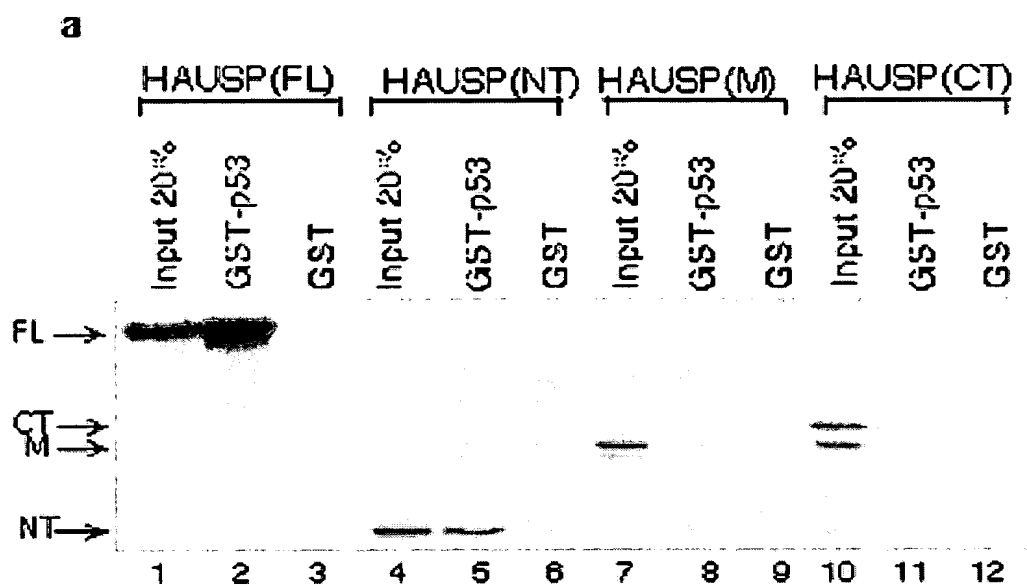


FIG. 9/17

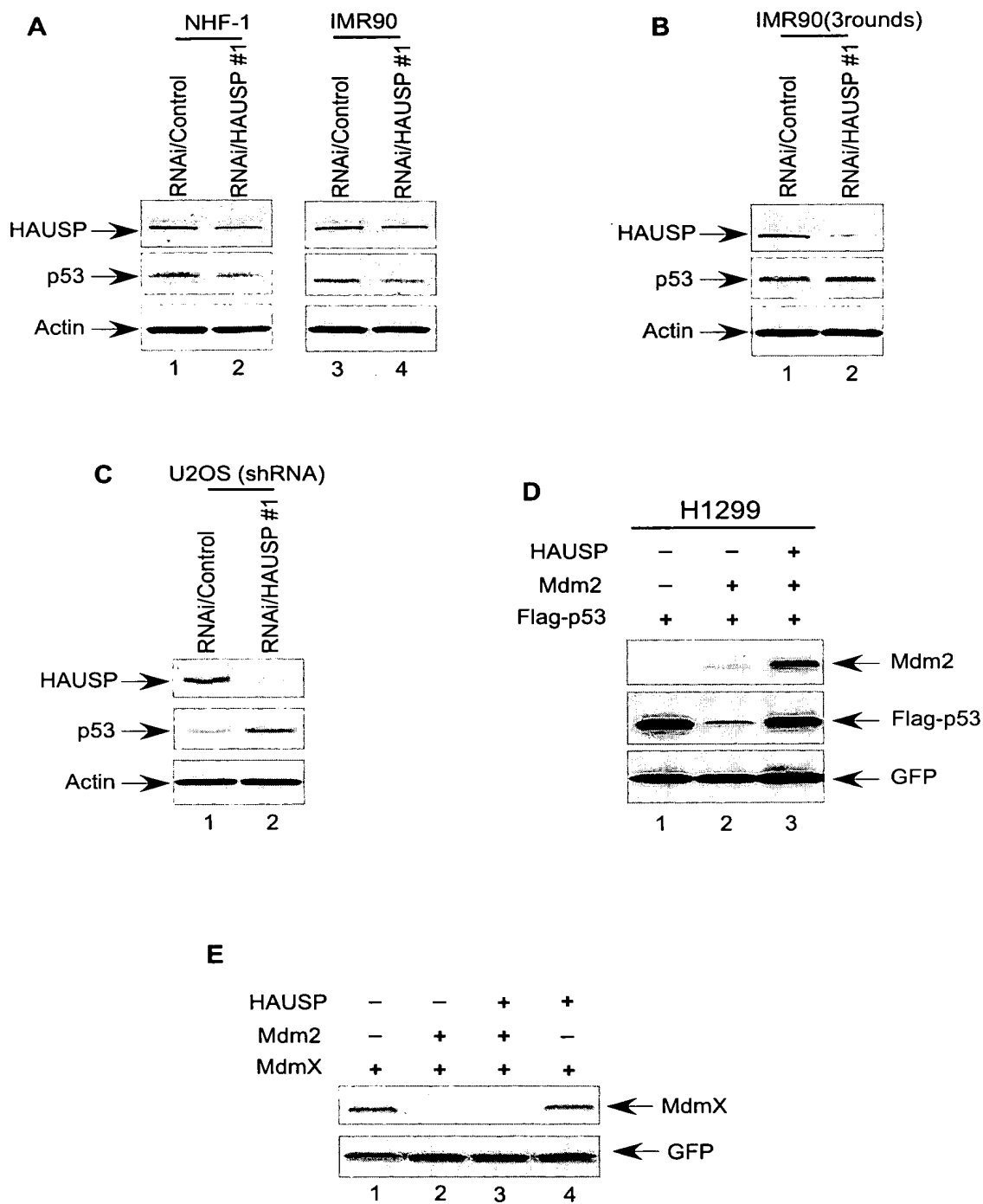


FIG. 10/17

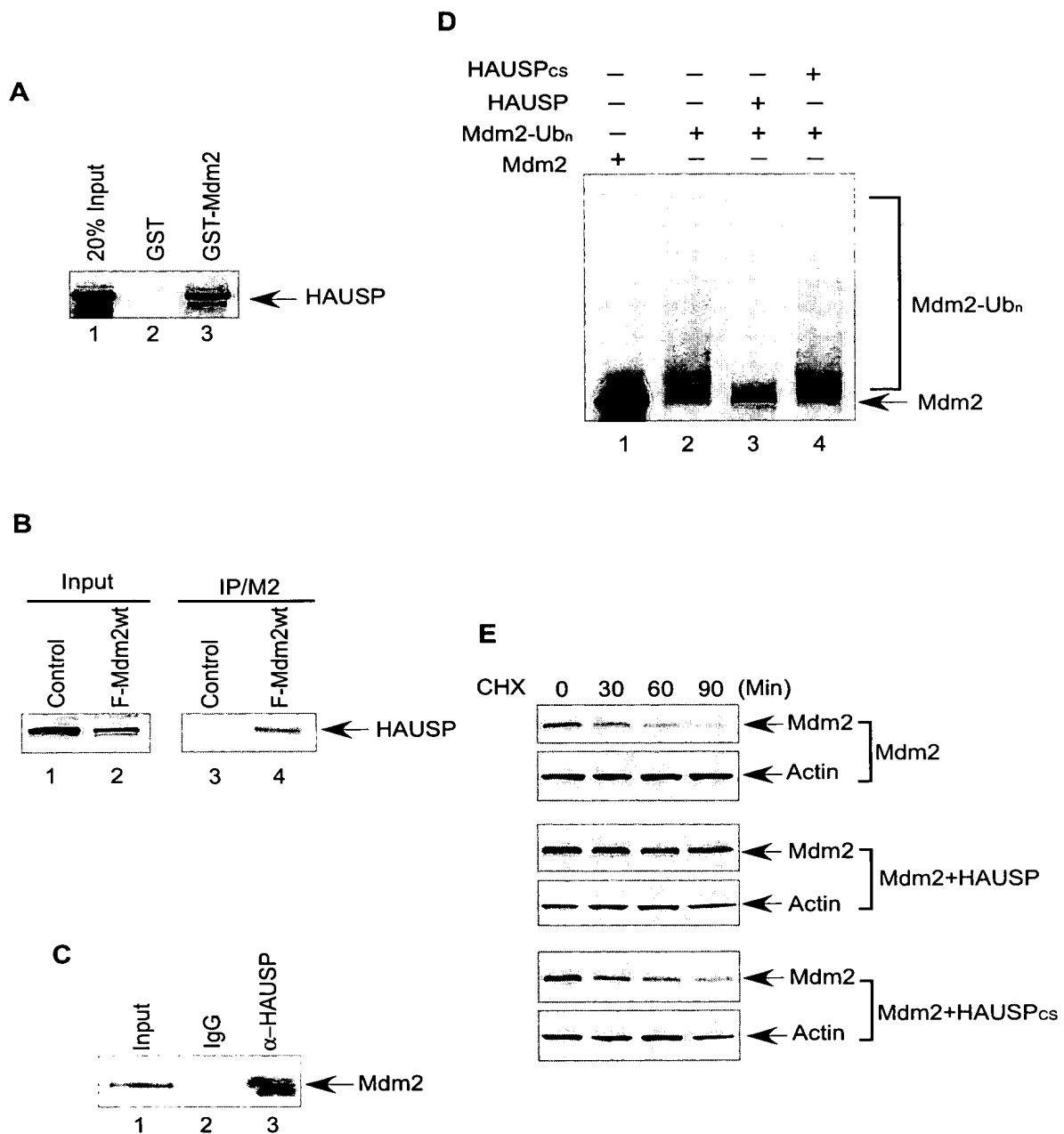


FIG. 11/17

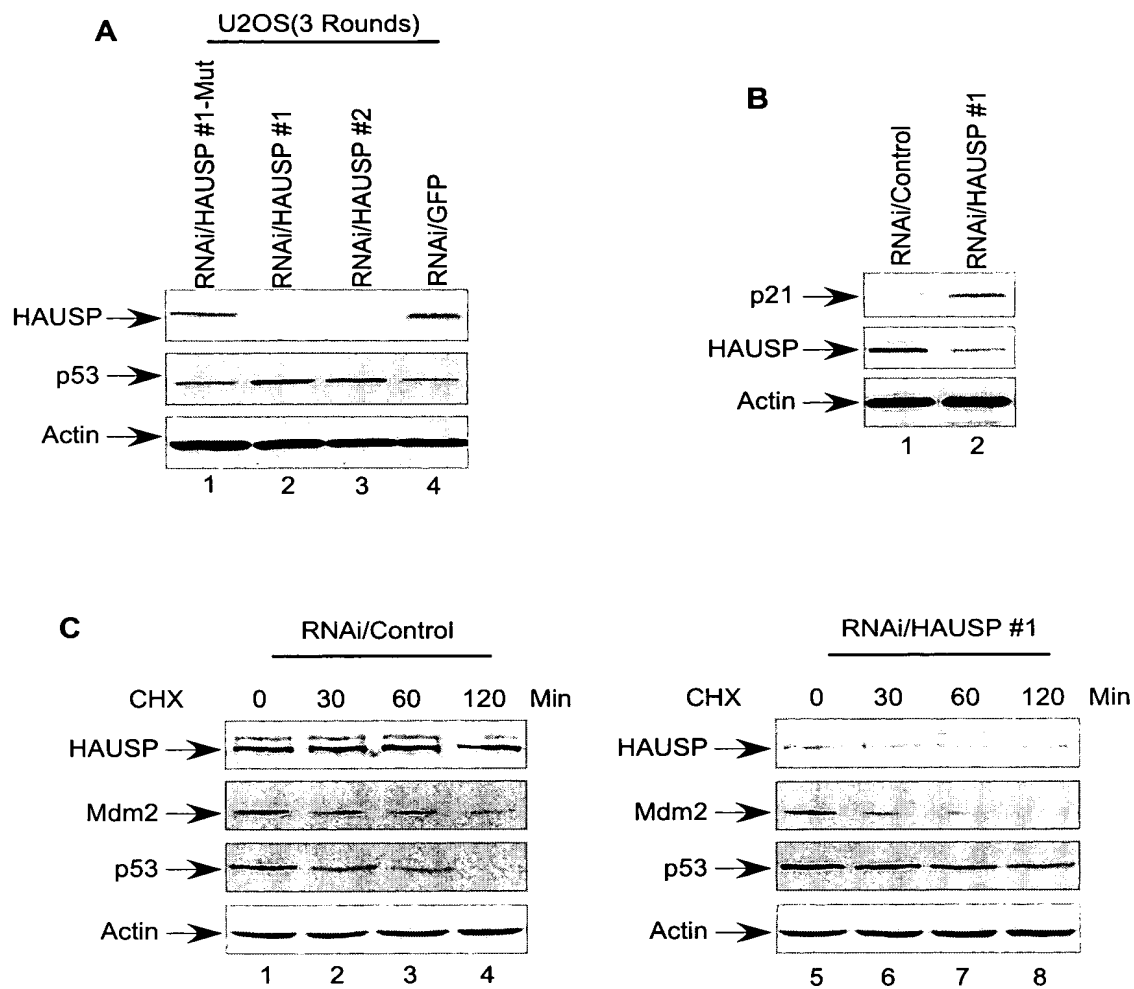
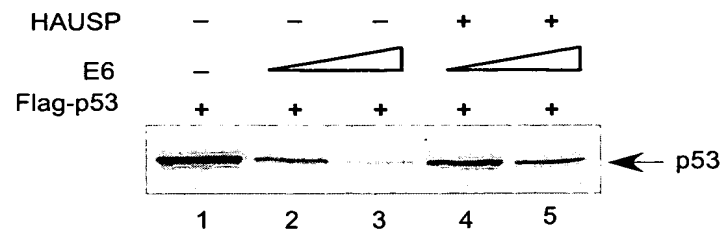
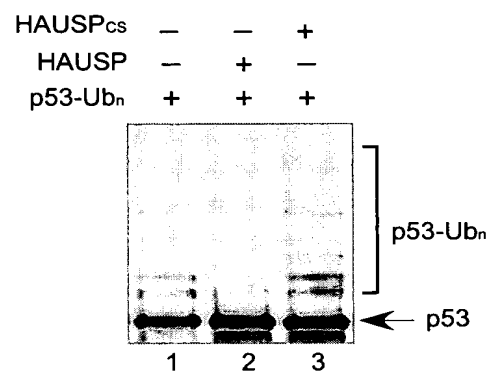
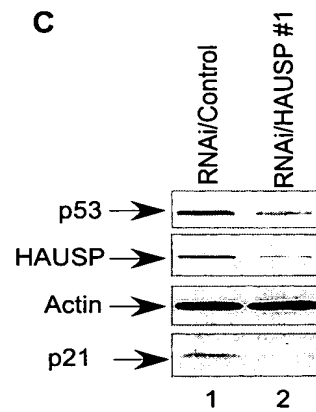


FIG. 12/17

A**B****C****FIG. 13/17**

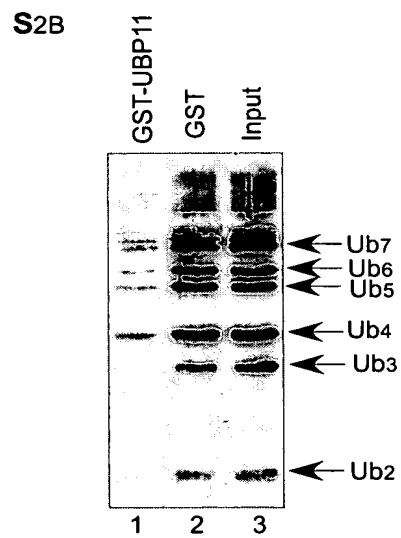
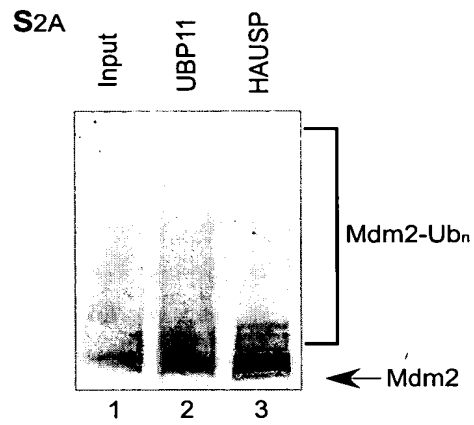
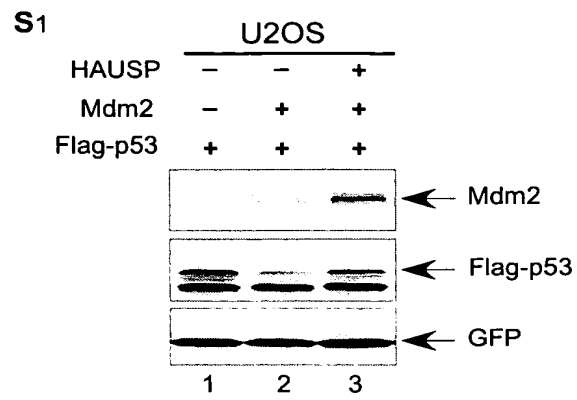


FIG. 14/17

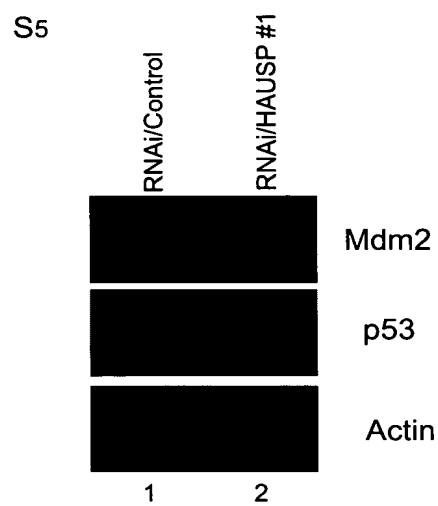
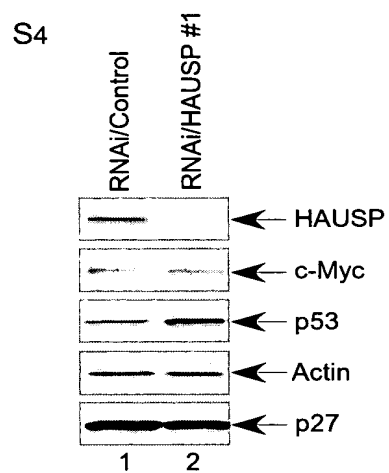
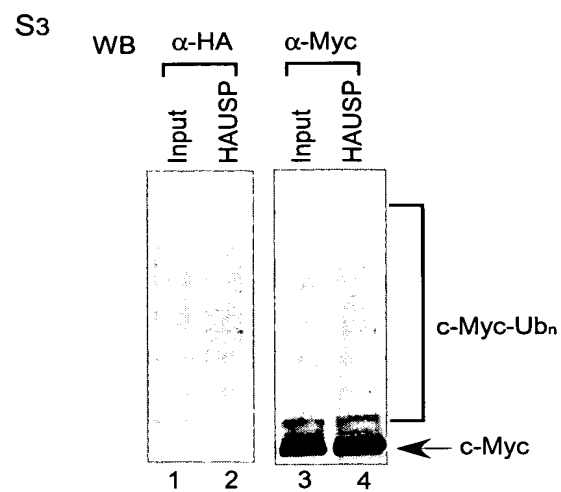


FIG. 15/17

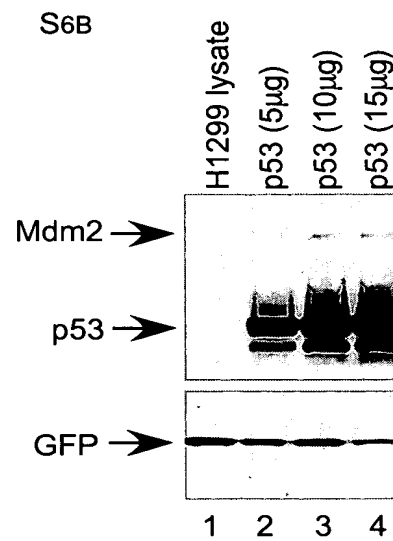
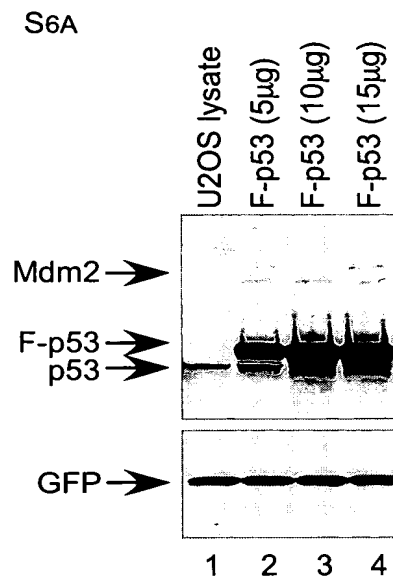
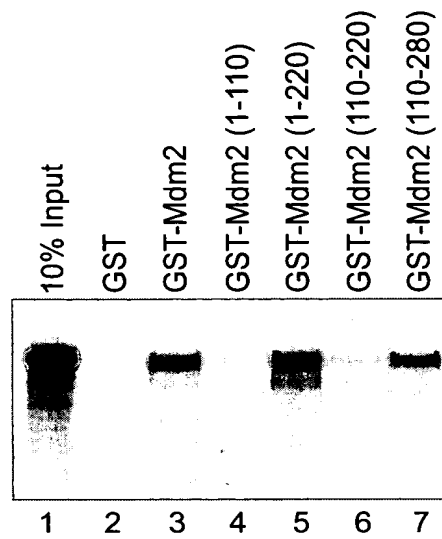
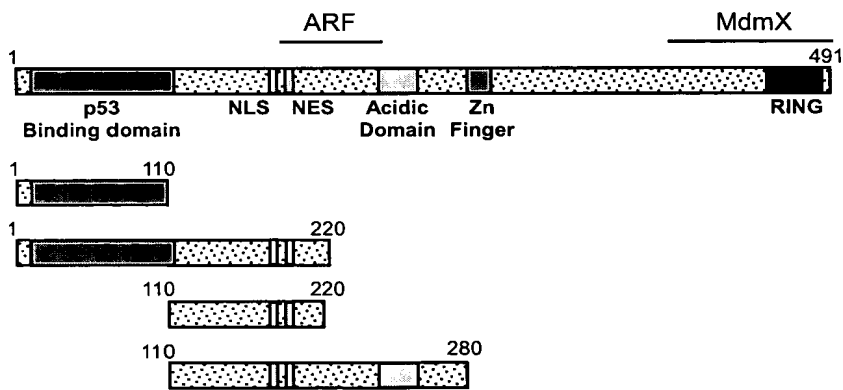


FIG. 16/17

S7A



S7B



| | Binding |
|----------------|---------|
| Mdm2 | + |
| Mdm2 (1-110) | - |
| Mdm2 (1-220) | + |
| Mdm2 (110-220) | - |
| Mdm2 (110-280) | + |

FIG. 17/17